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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/243,108	02/02/1999	JUDITH E. SCHWABE	SUN-P3730	2013

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EXAMINER

CHAVIS, JOHN Q

ART UNIT

PAPER NUMBER

2124

DATE MAILED: 07/02/2003

28

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/243,108

Applicant(s)

SCHWABE ET AL.

Examiner

John Q. Chavis

Art Unit

2124

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 16 December 2002 and 21 April 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-5,7-10,12-32,34-37,39-59,61-64 and 66-81 is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

- 5) ☐ Claim(s) _____ is/are allowed.

- 6) ☒ Claim(s) 1-5,7-10,12-32,34-37,39-59,61-64 and 66-81 is/are rejected.

- 7) ☐ Claim(s) _____ is/are objected to.

- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 14 May 1999 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner, *See paper # 9*.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
* See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s) 26. 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.
2. Claims 1-5, 7-10, 12-32, 34-37, 39-59, 61-64, and 66-81 are rejected under 35 U.S.C. 102(e) as being anticipated by Wilkinson et al., as cited in the previous action.

The applicant added a new feature to each of the independent claims, which indicates that there are different types (i.e. more than one) of referenceable tokens in a single package, as indicated below.

Amended portion of claim 5

forming a mapping of the referenceable item to a corresponding token having a token type, tokens belonging to the same token type representing the same kind of referenceable item, each kind of referenceable item in said package having its own independent scope for tokens of the corresponding token type;

Wilkinson

Wilkinson teaches a mapping of a referenceable item to a corresponding token via his strings (referenceable items, i.e. more than one), which are mapped into integers (tokens having a numeric value), col. 9 lines 27-37. The class file (package) comprises integers (ID's) that are optimized for the specific architecture it is utilized on. The ID's (tokens having a numeric value), contrary to the applicant's assertions, are not merely single entities for the class file (package) only. The ID's, "Each ID uniquely identifies a particular object, class, field **or** method in the application", have their own independent scope. The applicant argues that the previous sentence indicates that a single token is used; while, the alternative form, "**or**", indicates multiple Ids (not a single **ID**. Therefore, each of the various (multiple) referenceable items in said package have their own independent scope for tokens of

the corresponding token type. This mapping is further utilized to enable downloaded updates to a resource constrained computer, see col. 10 lines 52-67, fig. 4 item 27, col. 2 lines 11-19, col. 2 lines 46-48, col. 3 lines 26-35 and col. 3 line 59-col. 4 line 18. Also, see col. 16 lines 51-61 and col. 17 lines 4-22. The applicant further indicates that his system comprises static items that are not dependent upon a particular instance (see Wilkinson's constants in col. 5 lines 45-49). In The Java language, constants are static items. He further indicates that his system utilizes virtual items, which is represented by Wilkinson's re-linking feature, col. 5 lines 49-57.

Further more the constructing and subsequent storing of the image feature is taught via col. 9 lines 35-37, which replaces strings in the Java class file constant pool 42 with its corresponding unique ID. Also, col. 10 lines 52-62 provides for rebuilding constant references via elimination of the strings used to denote constants. Also, again see col. 10 lines 52-67.

Claims 1-4, 28-32, and 55-59 are taught via claim 5 above. The program storage device (claims 28-32) and the apparatus (claims 55-59) are indicated via figs. 1, 13-14 and 21-25.

The features of claims 7-10, 12-15, 22-23, see the rejection of claim 5, in view of fig. 4-items 42 and 47. The applicant indicates that Wilkinson does not teach recording in an image of a package a mapping. However, see again col. 5 lines 34-36, lines 45-57 and col. 6 lines 11-16, which indicates

that the “the second application **has a string** of characters and that the **string is represented by an identifier (i.e. mapping) in the second application**”.

The applicant argues about a single token uniquely identifying an item; while, that is considered the essence of an item having its own independent scope. Types are further inherent in Wilkinson’s system to enable different application to access and update the appropriate applications, see figs. 19-20, in a limited resource environment, figs. 21-25.

As per claims 16-18, see col. 8 lines 41-61 and col. 13 lines 6-12, which provides an interface, describes the interface (interface method definitions enabling access to data stored in a file) and provides an interface class library (which functions as the method table for a class) to enable easy access to stored data. The applicant further indicates that an interface table is not obtained and constructed; however, see fig. 4 items 43 (obtained from the application) and item 48 (created for the card class file). Also, see fig. 4 items 42 and 47.

In reference to claims 19 and 21, see again the string (virtual) to ID (real) mapping above. Also, see col. 14 lines 41-66.

Claim 20 is taught via figs. 12, 15, 19 and 20 and claim 16 above.

The features of claims 24-27, the strings comprise static fields, methods and tokens with the jumps (offsets) indicated via fig. 6 items 61 and 67 and claim 1 (‘317) in col. 19 lines 51-60. Also, see fig. 4 items 42 and 47 (class constant (“static”) pool). In reference to the instance field, see again that instructions may be generalized (static) or renumbered (instances-specific) in col. 5 lines 45-46. Furthermore, in reference to providing offsets into packages, see the class information in items 41, 46, 43 and 48 of fig. 4, item 51a of

fig. 5, the specific card applications in fig. 12 and the linking to those applications in fig. 19.

In reference to claims 34-37, and 61-64, see the rejection of claims 7-10, *supra*.

Claims 39-54 and 66-81 are taught via claims 12-27.

Conclusion

3. Applicant's arguments filed 04-21-2003 have been fully considered but they are not persuasive. The reasons the applicant's arguments are not persuasive are indicated above and in the previous action.

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to John Q. Chavis whose telephone number is 703-305-9665. The examiner can normally be reached on 8:30 am-5:00 pm Est.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on 703-305-9662. The fax phone numbers for the organization where this application or proceeding is assigned are 703-746-7239 for regular communications and 703-746-7238 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-306-3900.



Jqc
June 21, 2003



JOHN CHAVIS
PATENT EXAMINER
ART UNIT 2124